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Corrosion Inhibitors: ACF-50, CorrosionX, LPS 3 and Boeshield T-9

Four inhibitors compared

Four inhibitors compared

Product	Type (as sold)	Specification stated	Source of the claim
ACF-50 (Lear Chemical Research)	Anti-corrosion lubricant fog; flash point 79.4 C, SG 0.9, 25 cSt at 40 C, about 90 g/L VOC	MIL-C-81309E (distributor listing)	Distributor listings
CorrosionX Aviation	Ultra-thin film corrosion inhibitor	MIL-PRF-81309H Type II and Type IV	CorrosionX product page
LPS 3 Premier Rust Inhibitor	Soft waxy self-healing film	MIL-PRF-16173E Grade 2 Class 1 (distributor)	Distributor listing; LPS data sheet
Boeshield T-9	Carrier solvent plus paraffin wax; leaves a thin wax film	None stated in the sources	Manufacturer site

Key points

- **Distributor listings.** We did not read the full maker data sheets for these products.
- **Maker claims** such as two years of protection are the makers' own.
- **Compatibility with sealants and rubber** is not covered; use the AMM.

SOURCES · FAA AC 43.13-1B CHG 1, Chapter 6 · Lear Chemical ACF-50 13 oz · ACF-50 Corrosion Preventative · Corrosion Technologies, CorrosionX Aviation, LPS 3 Premier Rust Inhibitor · ITW Pro Brands, LPS 3 Premier Rust Inhibitor technical data sheet · Boeshield T-9

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Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.